



Capital city: Belgrade
Inhabitants: 6.9 Million

INSTITUTIONAL SETTING AND PURPOSE

The Republic Hydrometeorological Service of Serbia (RHMZ) is the organization in charge of the groundwater monitoring in Serbia.

The RHMS develops the national groundwater monitoring network, maintains wells installation, collects, records, controls and archives observed and measured data from the network and conducts analysis.

CHARACTERISTICS OF THE NETWORK

In 2015, it was reported that in Serbia there are 409 piezometers for groundwater table observation and 34 for groundwater quality observation. These piezometers are distributed in a total of 34 groundwater bodies in the country. Groundwater observation points are classified as: the main, the first order and the second order. The main stations are representative for larger areas.

Groundwater levels are measured daily and groundwater quality once per year. First order stations are placed in profiles perpendicular to the river flow, hence approximately along the line of the groundwater level. Measurements of the level and temperature are taken six times per month. Second order stations are addition to the first order, being as a network of squares and triangles between the profiles. Measurements of the level and temperature are taken three times per month.

PROCESSING AND DISSEMINATION

RHMS provides the data on groundwater level fluctuations as a graph with 10 last measured values, Figure 1. Additionally, an interactive groundwater station network map is available, with

links to lithological profiles, general data on stations, statistical analysis of groundwater levels, figure next page.

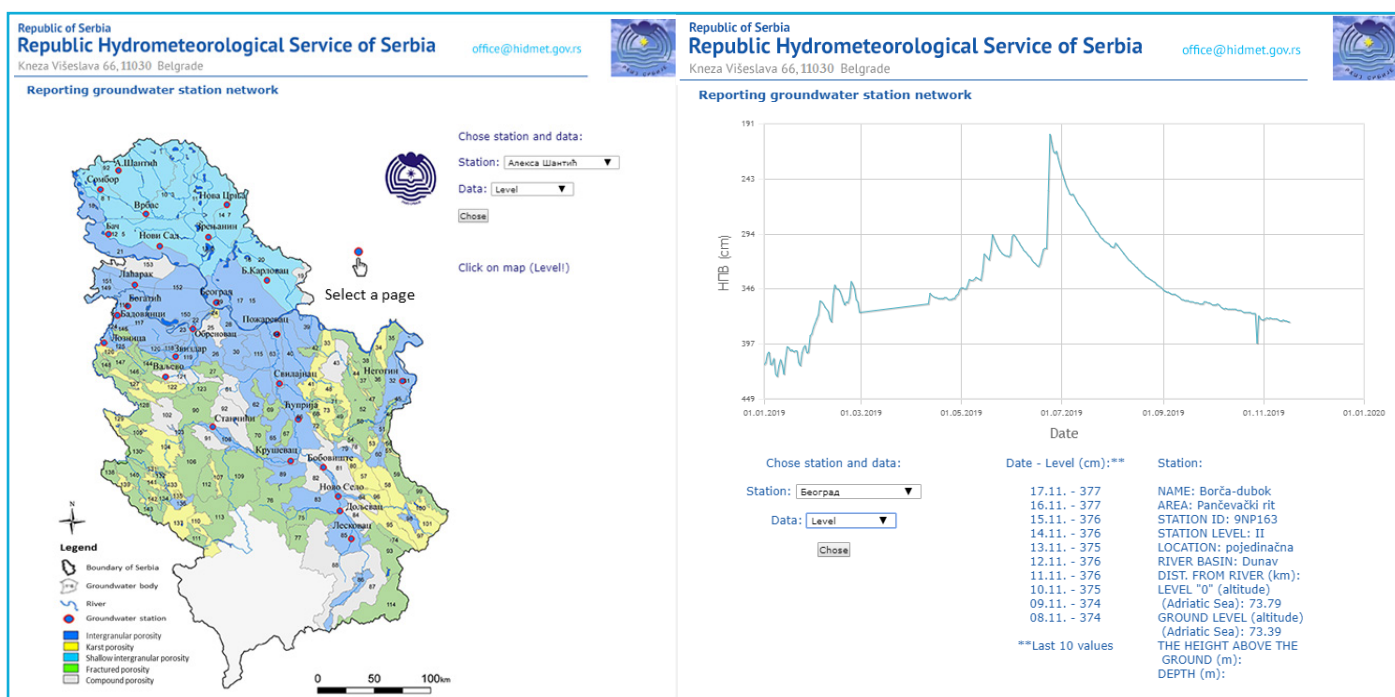


Figure 1 - Groundwater monitoring network in Serbia (left) and groundwater level fluctuation graph of Belgrade station (right). Source: RHMZ

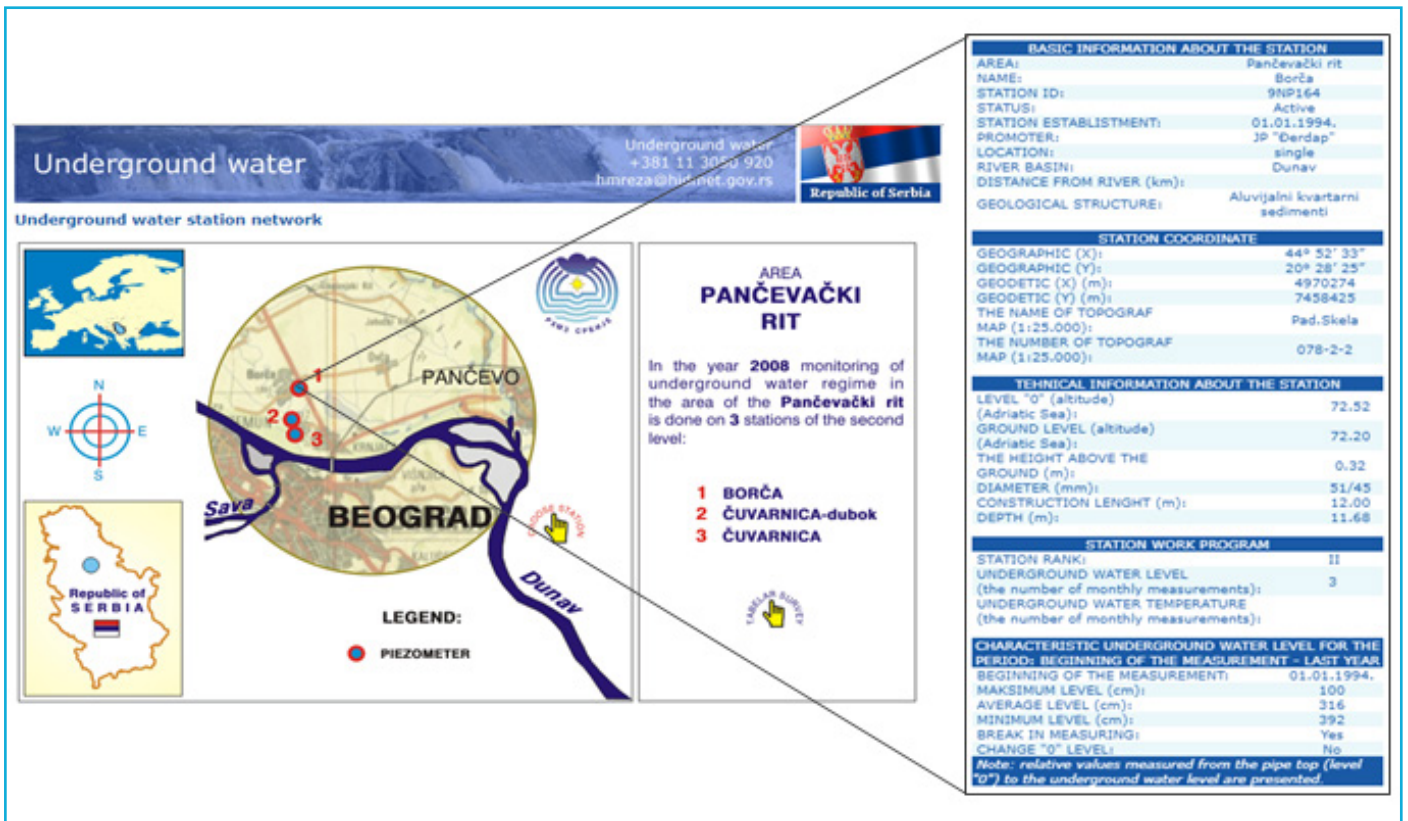


Figure 2 - Interactive station network map with observation points in Belgrade. Source: RHMZ

Sources

- Republic Hydrometeorological Service of Serbia. Groundwater - http://www.hidmet.gov.rs/eng/hidrologija/podzemne/o_odseku.php;
- Republic Hydrometeorological Service of Serbia. Groundwater monitoring networks - <http://www.hidmet.gov.rs/eng/hidrologija/podzemne/9np.php>; and
- Republic Hydrometeorological Service of Serbia. Groundwater stations and profiles - <http://www.hidmet.gov.rs/eng/hidrologija/podzemne/naslovna.php>.